

**NEVADA DIVISION OF ENVIRONMENTAL PROTECTION**

**FACT SHEET**  
(pursuant to NAC 445A.236)

**Permittee Name:** Oasis Golf Club  
dba Mesquite Vistas LLC  
P. O. Box 267  
Mesquite, Nevada, 89024

**Permit Number:** NEV96016

**Description of Discharge**

**Location:** North of I-15, North of Pioneer Boulevard  
P. O. Box 267  
100 Palmer Lane  
Mesquite, Nevada 89024

Latitude: 36° 47' 35"N; Longitude: 114° 05' 33"W

Sections 3, 4, 8, 9, T. 13S., R 71E. MDB&M

Clark County, Nevada

**Characteristics:** The reuse irrigation water is tertiary treated denitrified disinfected effluent from the City of Mesquite Water Reclamation Facility (MWRf) (#NEV40011) which is blended with supplemental irrigation ditch water in Lake #1 and # 2 prior to irrigation of the Oasis Golf Course, The Vistas golf course fairways, common areas and the Marilyn Redd Park. Tees and greens are irrigated with potable water from the Virgin Valley Water District system. Reuse is conducted in accordance with the Oasis Golf Club's Effluent Management Plan (EMP). Each golf course lake has an ozonation aeration system installed for water clarity and water quality.

**Flow:** 0.619 MGD 30-day average, 1.33 MGD daily maximum

**Quantities:**

The discharge shall be limited and monitored by the Permittee as specified below:

**TABLE I.1**

<b><u>PARAMETERS</u></b>	<b><u>EFFLUENT DISCHARGE LIMITATIONS</u></b>		<b><u>MONITORING REQUIREMENTS</u></b>	
	30-Day Average	Monthly Maximum	Measurement Frequency	Sample Type
<b>Irrigation Rate Flow Million Gallons<sup>2</sup> (MG)</b>	<b>Monitor &amp; Report MG/Day</b>	<b>Monitor &amp; Report MG/Month</b>	<b>Continuous</b>	<b>Flow Meter</b>
<b>Annual Application Volume<sup>3</sup> (AF)</b>	<b>1120 Acre-Feet/Year (x 0.326=Million gallons)</b>		<b>Cumulative annual total</b>	<b>Flow Meter (totalizers)</b>
<b>Fecal Coliform<sup>1</sup> (CFU/MPN)</b>	<b>2.2 CFU (MPN)/100 ml</b>	<b>23 CFU (MPN)/ 100 ml</b>	<b>Weekly</b>	<b>Discrete</b>

- 1 Sample results are to be obtained from NEV40011 and reported by Permittee.
- 2 Monthly application rates in the Effluent Management Plan (EMP) should be used as a guide.
3. Based upon 110% of the Application Volume determined from the consumptive use balance in the EMP and is to be submitted with the 4th Quarter DMR.

**General:** The applicant reuses treated effluent supplied by the City of Meaquite WRF for landscape irrigation of turf grass and vegetation on the 141 acres of the 260 acre Oasis 18 hole course, The Vistas 9 hole course, the adjacent common areas and the community Marilyn Redd Park. Application of effluent is via spray irrigation in accordance with the revised Effluent Management Plan and as required by the permit. There are two irrigation pumping lakes where effluent is blended with irrigation ditch water providing a supply of water to supplement the reuse irrigation water. Application of effluent is via spray and drip irrigation as restricted by the permit.

**Receiving Water Characteristics:** Groundwater in the area is approximatey 55' in depth. No adverse effects are expected to occur as a result of this effluent reuse. Groundwater monitoring is not required as the effluent is denitrified to 10 mg/L or less N.

**Procedures for Public Comment:**

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Las Vegas Review-Journal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the public notice, by January 15, 2004. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

#### **Proposed Determination**

The Division has made the tentative determination to renew the proposed permit for a five (5) year term.

#### **Proposed Effluent Limitations, Schedule of Compliance:**

See Permit

The Permittee shall implement and comply with the provisions of the following schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications which the Administrator may make in approving the schedule of compliance.

- a. The Permittee shall achieve compliance with the effluent flow monitoring requirements upon issuance of the permit.
- b. A revised Effluent Management Plan (EMP) shall be prepared for review and stamped and signed by a Nevada Registered Engineer. One copy shall be submitted to Nadir Sous of the NDEP, Bureau of Water Pollution Control (BWPC), Technical Services Branch, Las Vegas office within 60 days of permit issuance for review and approval; one copy shall be submitted to Icyl Mulligan of the NDEP, BWPC, Permits Branch in Carson City, Nevada.
- c. **Within 30 days of permit issuance**, the Permittee shall submit the cross-connection control documentation required by part I.B.11 for cross connection control.

**Rationale for Permit Requirements**

Fecal Coliform is monitored to ensure effluent reuse quality is maintained in accordance with NAC 445A.276.

Application volumes are monitored such that they must be in accordance with Consumptive Use Balance described in the EMP.

Prepared by: Icyl C. Mulligan  
November 2003